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(FILE 'HOME' ENTERED AT 18:10:02 ON 07 JAN 2002)

FILE 'MEDLINE, BIOSIS' ENTERED AT 18:10:35 ON 07 JAN 2002

L1 433 S HEREGULIN/TI

L2 293 DUP REM L1 (140 DUPLICATES REMOVED)

L3 1761 S HER2

L4 31 S L2 AND L3

L4 ANSWER 24 OF 31 MEDLINE

TI Identification of **heregulin**, a specific activator of p185erbB2.

AU Holmes W E; Sliwkowski M X; Akita R W; Henzel W J; Lee J; Park J W; Yansura D; Abadi N; Raab H; Lewis G D; +

SO SCIENCE, (1992 May 22) 256 (5060) 1205-10.

Journal code: UJ7; 0404511. ISSN: 0036-8075.

AB The proto-oncogene designated erbB2 or **HER2** encodes a 185-kilodalton transmembrane tyrosine kinase (p185erbB2), whose overexpression has been correlated with a poor prognosis in several human malignancies. A 45-kilodalton protein heregulin-alpha (HRG-alpha) that specifically induced phosphorylation of p185erbB2 was purified from the conditioned medium of a human breast tumor cell line. Several complementary DNA clones encoding related HRGs were identified, all of which are similar to proteins in the epidermal growth factor family. Scatchard analysis of the binding of recombinant HRG to a breast tumor cell line expressing p185erbB2 showed a single high affinity binding site [dissociation constant (Kd) = 105 +/- 15 picomolar]. Heregulin transcripts were identified in several normal tissues and cancer cell lines. The HRGs may represent the natural ligands for p185erbB2.

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    (24) spondin
    (0) (HER2 erbB2) and spondin
    (11) (HER2 erbB2) and ligand.ti.
    (79) (HER2 erbB2) and ligand.clm.
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Default operator: ☐ OR

**Plurals**

### ▮ Synonyms

☒ Highlight all hit terms initially

(HER2 erbB2) and ligand.ti.

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	3	2
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6075010	20000613		Small molecular weight ligand-hexose containing	514/23	514/24		Theodore, Louis J.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A US 6040290	20000321		Ligand growth factor	514/12	514/25 530/300		. et al. Lippman, Marc E.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A US 5874528	19990223		qp30 that binds to the Binding peptides which	530/317	530/350 530/328		. et al. Lupu, Ruth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	A US 5869618	19990209	61	Antibodies to ligand or growth factors	530/387.1	530/387.7 530/387.		Lippman, Marc E. . et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	A US 5578482	19961126	61	Ligand growth factors that bind to the erbB-2	435/384	435/244 435/377		Lippman, Marc E. . et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	US 2001023241	20011224	1	Inducing epithelial cell growth and/or prol				IN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	WO 200102440 A	20010618	1	Novel fusion polypeptides comprising				IN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WO 200100238 A	20010611		Treating prostate cancer in a human comor				IN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WO 200059525 A	20010212		Treatment of pancreatic dysfunction, particular				IN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A US 6121415	20000919	59	New isolated neuregulin related ligand-3 - used				IN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>